



## EPA Methylene Chloride Regulation

<b>8-Hour Time-Weighted Average</b> <b>New EPA Limit: 2 ppm</b>  Previous OSHA Standard: 25 ppm  This represents a 92% reduction in allowable exposure over a full work shift.	<b>15-Minute Short-Term Limit</b> <b>New EPA Limit: 16 ppm</b>  Previous OSHA Standard: 125 ppm  Peak exposures during specific tasks must stay below this dramatically lower threshold.	<b>Action Level Triggers</b> <b>New Threshold: 1 ppm</b>  When air monitoring detects concentrations at or above 1 ppm, additional protective measures and monitoring requirements are immediately triggered.
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## Compliance Requirements: What You Must Do by August 1, 2025

### Regulated Work Areas

- Physical demarcation required:** Areas where methylene chloride is used must be clearly marked with permanent barriers or floor markings.
- Access control:** Only trained and authorized personnel may enter regulated areas. Documentation of authorization is mandatory.
- Multilingual signage:** Warning signs must be posted in all languages spoken by workers, meeting specific EPA design requirements.
- Continuous air monitoring:** Real-time monitoring systems must be installed and maintained to track exposure levels throughout the shift.
- Emergency response protocols:** Written procedures for spills, overexposure incidents, and evacuation must be developed and practiced.

### Respiratory Protection Requirements

- CRITICAL CHANGE:** Cartridge respirators are now **PROHIBITED** for methylene chloride work.
- Only supplied-air systems allowed:** Self-contained breathing apparatus (SCBA) or airline respirators are the sole compliant options.
- Annual fit testing required:** Every worker using respiratory protection must undergo quantitative fit testing annually.
- Medical clearance mandatory:** Workers must receive medical evaluations before using supplied-air respirators and periodic re-evaluations thereafter.
- Comprehensive training programs:** Documented training on proper use, limitations, maintenance, and emergency procedures is required.

## The True Cost of Compliance: Financial & Legal Exposure

<b>\$200K+</b>  <b>5-Year Compliance Cost</b>  Per facility estimate includes equipment (\$2,000-\$5,000 per worker for supplied-air systems), monitoring systems, training programs, administrative controls, and ongoing maintenance.	<b>\$25K</b>  <b>Daily Penalty Rate</b>  EPA can assess up to \$25,000 per violation per day. Multiple violations can occur simultaneously (exposure limits, signage, training, monitoring, etc.).	<b>100%</b>  <b>Criminal Liability Risk</b>  Plant managers and EHS officers face potential criminal prosecution for knowing violations that result in worker harm or death.
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## Methylene Chloride-Free Weld-On Products

Methylene Chloride-free formulations of Weld-On 3, 4, and 16—the industry's most trusted acrylic and plastic bonding adhesives. These new formulations deliver the same world-class performance you depend on while **completely eliminating EPA compliance requirements**.

<b>Zero WCPP Compliance</b>  No exposure monitoring, no regulated work areas, no supplied-air respirators, no action level triggers. Your existing safety protocols remain sufficient.	<b>Same Performance</b>  Identical bonding strength, cure times, and application properties. Your production quality and efficiency remain unchanged.	<b>Future-Proof Operations</b>  Protect your business from increasingly stringent chemical regulations. Make the switch once and gain long-term security.
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